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| <b>NATIONAL PHASE<br/>UTILITY APPLICATION</b><br><b>Transmittal to the (DO/EO/US)</b><br><b>Under 35 USC 371</b>                   | <p style="text-align: right;"><b>10/591720</b></p> <p>Attorney Docket No.: TOYA115.017-001<br/> First Named Inventor: Megumi Akiyama<br/> Int'l Application No.: PCT/JP2005/001882<br/> Int'l Filing Date: February 9, 2005<br/> Priority Date Claimed: March 5, 2004 and November 2, 2004<br/> Title: IMMOBILIZED BIOMOLECULE AND METHOD OF<br/> DETECTING SUBSTANCE CAPABLE OF<br/> INTERACTING WITH BIOMOLECULE<br/> Express Mail Label No.: EV 309075463 US</p> |
| <b>Direct all correspondence to Customer No.: 20995</b> <span style="float: right;">Date: September 1, 2006<br/>Page 1 of 2</span> |   |

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The following enclosures are transmitted herewith to be filed in the patent application of:

Inventors:

1. Megumi Akiyama                    2. Naoki Kimura

**APPLICATION ELEMENTS:**

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) This is an Express Request to begin national examination procedures (35 U.S.C. § 371(f)).
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) has been communicated by the International Bureau. Form PCT/IB/308 enclosed.
- (X) An English translation of the International Application as filed is attached hereto.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.
- (X) An Oath or Declaration signed by the inventors (35 U.S.C. § 371(c)(4)).

**OTHER APPLICATION PARTS:**

- (X) Preliminary Amendment in 5 pages.
- (X) Sequence Listing on paper in 3 pages
- (X) Sequence Listing in CRF in duplicate.
- (X) Recordation form cover sheet and Assignment in 3 total pages (cover sheet & assignment).
- (X) An Information Disclosure Statement and PTO/SB/08 equivalent listing 6 references for consideration. Three references are provided.
- (X) Form PCT/IB/304.
- (X) First page of International Application as published.
- (X) Return prepaid postcard.

19/591720

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| <b>NATIONAL PHASE<br/>UTILITY APPLICATION</b><br><b>Transmittal to the (DO/EO/US)</b><br><b>Under 35 USC 371</b> | <p style="text-align: right;">AP20 Rec'd PCT/PTO 05 SEP 2006</p> <p>Attorney Docket No.: TOYA115.017APC<br/> First Named Inventor: Megumi Akiyama<br/> Int'l Application No.: PCT/JP2003/007019<br/> Int'l Filing Date: February 9, 2003<br/> Priority Date Claimed: March 5, 2004 and November 2, 2004<br/> Title: IMMOBILIZED BIOMOLECULE AND METHOD OF<br/> DETECTING SUBSTANCE CAPABLE OF<br/> INTERACTING WITH BIOMOLECULE<br/> Express Mail Label No.: EV 309075463 US</p> |
| <b>Direct all correspondence to Customer No.: 20995</b>  |  |
| Date: September 1, 2006<br>Page 2 of 2   |  |

**FILING FEES:**

| FEE CALCULATION   |             |              |                      |                |
|---|-------------|--------------|----------------------|----------------|
| FEE TYPE & DETERMINATION  |             | LARGE FEE    | CALCULATION          | TOTAL          |
| Basic Filing Fee under 1.492(a)                                     |             | 1631 (\$300) |                      | \$300          |
| Search Fee under 1.492(b) ( <i>enter one in TOTAL column</i> )      |             |              |                      | \$400          |
| (1) USPTO was ISA/IPEA & claims satisfy Art. 33 (1)-(4)             |             | 1640 (\$0)   |                      |                |
| (2) USPTO was the ISA (noncompliant claims)                         |             | 1641 (\$100) |                      |                |
| (3) Foreign Search Report Enclosed                                  |             | 1642 (\$400) |                      |                |
| (4) No Search Report Enclosed                                       |             | 1632 (\$500) |                      |                |
| Examination Fee under 1.492(c) ( <i>enter one in TOTAL column</i> ) |             |              |                      | \$200          |
| (1) USPTO was ISA/IPEA & claims satisfy Art. 33 (1)-(4)             |             | 1643 (\$0)   |                      |                |
| (2) Non US IPEA or Noncompliant Claims                              |             | 1633 (\$200) |                      |                |
| Excess Claims   | 19 - 20 = 0 | 1615 (\$50)  | 0 x 50 =             | \$0            |
| Excess Ind. Claims  | 1 - 3 = 0   | 1614 (\$200) | 0 x 200 =            | \$0            |
| Multiple Dep. Claim   |             | 1616 (\$360) |                      | \$360          |
| Assignment  |             | 8021 (\$40)  | 1 x 40 =             | \$40           |
|   |             |              | <b>TOTAL FEE DUE</b> | <b>\$1,300</b> |

A check in the amount of \$1,300 to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.

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**AP20 Rec'd PCT/PTO 05 SEP 2006**

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**Attorney Docket No.** : TOYA115.017APC  
**Applicant(s)** : Akiyama, et al.  
**For** : IMMOBILIZED BIOMOLECULE AND  
METHOD OF DETECTING SUBSTANCE  
CAPABLE OF INTERACTING WITH  
BIOMOLECULE  
**Agent** : Che Swyden Chereskin, Ph.D.  
**"Express Mail" Label No. :** EV 309075463 US  
**Date of Deposit** : September 5, 2006

I hereby certify that the accompanying

Transmittal letter; specification in 67 pages; Preliminary amendment in 5 pages;  
Paper sequence listing in 3 pages and CRF diskette in duplicate; Declaration and  
Power of Attorney in 2 pages; Recordation Form Cover Sheet and Assignment in  
3 total pages; Information Disclosure Statement, PTO Form PTO/SB/08  
Equivalent with 3 references; Forms PCT/IB/304 and PCT/IB/308; First page of  
International Application as published; Check for Filing Fee; Return Prepaid  
Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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